

**DETAIL OF SHORT TERM COURSE OF LABORATORY ANIMALS  
IN TWO WEEKS\***

<b>Day 1</b>	
<b>Theory</b>	<ul style="list-style-type: none"><li>❖ <b>WHY LABORATORY ANIMALS?</b></li><li>❖ <b>INTRODUCTION TO LABORATORY ANIMALS</b><ul style="list-style-type: none"><li>• Different types of laboratory animals</li><li>• Application in experimental pharmacology</li></ul></li></ul>
<b>Practicals</b>	<ul style="list-style-type: none"><li>• Biological characteristics of animals<ul style="list-style-type: none"><li>○ Rat</li><li>○ Mice</li><li>○ Guinea pig</li><li>○ Rabbit</li></ul></li></ul>
<b>Day 2</b>	
<b>Theory</b>	<ul style="list-style-type: none"><li>❖ <b>GUIDELINES</b><ul style="list-style-type: none"><li>• CPCSEA guideline for animals and animal housing</li><li>• Other guidelines like OECD, Schedule Y etc.</li><li>• Introduction to Institutional Animal Ethics Committee (IAEC)</li><li>• Introduction to Institutional Bio-safety Committee (IBSC)</li><li>• Quarantine</li><li>• Caging and housing system</li><li>• Waste disposal</li><li>• Transportation of laboratory animal</li><li>• Veterinary care</li><li>• Animal procurement</li></ul></li></ul>
<b>Practicals</b>	<ul style="list-style-type: none"><li>• Documents</li><li>• Animal training</li></ul>
<b>Day 3</b>	
<b>Theory (First half)</b>	<ul style="list-style-type: none"><li>❖ <b>ANIMAL HOUSE</b><ul style="list-style-type: none"><li>• Animal house design</li><li>• Standard environment</li><li>• Equipment</li><li>• Pest control</li><li>• Record keeping</li><li>• Animal facility staff and training</li><li>• Feeding</li><li>• Bedding</li><li>• Watering</li><li>• Sterilization of materials</li></ul></li></ul>
<b>Practicals</b>	<ul style="list-style-type: none"><li>• Equipment</li><li>• Cages</li><li>• Feeding &amp; Watering</li><li>• Bedding</li><li>• Animal training</li></ul>

<b>Second half</b>
<b>THEORY &amp; PRACTICALS:</b> <b>ANIMAL HANDLING</b>
<ul style="list-style-type: none"> <li>• Physical restraining of animals</li> <li>• Sex determination</li> <li>• Labeling of animals -             <ul style="list-style-type: none"> <li>○ Ear punching</li> <li>○ Ear tagging</li> <li>○ Picric acid</li> </ul> </li> <li>• Cages- labeling</li> <li>• Randomization</li> </ul>
<b>Day 4</b>
<b>THEORY &amp; PRACTICALS:</b>
<b>Dosing</b>
<ul style="list-style-type: none"> <li>• Oral route of drug administration : <b>Rat/mice/guinea pig/rabbit</b></li> <li>• Animal handling</li> </ul>
<b>Day 5</b>
<b>THEORY &amp; PRACTICALS:</b>
<b>Dosing</b>
<ul style="list-style-type: none"> <li>• Subcutaneous route of drug administration: <b>Rat/mice/guinea pig/rabbit</b></li> <li>• Animal handling</li> </ul>
<b>Day 6</b>
<b>THEORY &amp; PRACTICALS:</b>
<b>Dosing</b>
<ul style="list-style-type: none"> <li>• Intra venous route of drug administration: <b>Rat/mice/guinea pig/rabbit</b></li> <li>• Animal handling</li> </ul>
<b>Day 7</b>
<b>THEORY &amp; PRACTICALS:</b>
<b>Dosing</b>
<ul style="list-style-type: none"> <li>• Intra peritoneal route of drug administration: <b>Rat/mice/guinea pig/rabbit</b></li> <li>• Animal handling</li> </ul>
<b>Day 8</b>
<b>THEORY &amp; PRACTICALS:</b>
<b>Dosing</b>
<ul style="list-style-type: none"> <li>• Intramuscular route of drug administration: <b>Rat/mice/guinea pig/rabbit</b></li> <li>• Animal handling</li> </ul>
<b>Day 9</b>
<b>THEORY &amp; PRACTICALS:</b>
<b>BLOOD COLLECTION</b>
<ul style="list-style-type: none"> <li>• Retro orbital puncture</li> <li>• Cardiac puncture</li> <li>• Jugular vein / Cannulation</li> </ul>
<b>Day 10</b>
<b>THEORY &amp; PRACTICALS:</b>
<b>ANESTHESIA TECHNIQUES&amp;INCINERATION PROCEDURE</b>
<ul style="list-style-type: none"> <li>• Inhalation</li> <li>• Injectable</li> </ul>

**\*DURATION OF THE COURSE: 10 DAYS**

**CHARGES: RS. 6000/- + 18 % GST / PERSON**