

Delivery Plan (Weekly Lab. Syllabus)	
المناهج الأسبوعي للمختبر	
	Material Covered
<b>Week 1-2</b>	<ol style="list-style-type: none"> <li>1. Tools: Include recognition of different tools. Employed for surface preparation and methods of application correctly,</li> <li>2. Devices of measuring dimensions, Calipers, types and uses, Drill types and dimensions.</li> <li>3. Measuring Tools: Steel miler, Verner, Micrometer, Height &amp; height gauge hand tools, Saws. Hammers, Files , Scriber , Chisels , Taps and dies , Surface plate , Bench working.</li> </ol>
<b>Week 3-5</b>	<ol style="list-style-type: none"> <li>1. Welding Workshop: Include recognition of tools-Materials employed</li> <li>2. Gas cylinder of oxy – Acetylene welding of surface – Electrical</li> <li>3. welding exercise</li> <li>4. Welding spot.</li> </ol>
<b>Week 6-8</b>	<ol style="list-style-type: none"> <li>1. Lathing Workshop: lathe machine – Parts – Operation</li> <li>2. Practice on longitudinal lathing – Making center – Puncturing</li> <li>3. Making external teeth – Practice - Employing measuring tools–</li> <li>4. Internal &amp; external lath machining.</li> </ol>
<b>Week 9-11</b>	Alloying workshop <ol style="list-style-type: none"> <li>1. Alloying and contents of alloying workshops</li> <li>2. Alloying sands, characteristics and Additives for improvement –</li> <li>3. Metals melts and Method of casting</li> <li>4. Sand mold shaping, and Heat treatment.</li> </ol>
<b>Week 12-13</b>	Carpentry workshop <ol style="list-style-type: none"> <li>1. Tools and machinery in the carpentry workshop</li> <li>2. Fundamental principles and Types of wood</li> <li>3. Application samples preparation</li> </ol>

<b>Week 14-15</b>	Car workshop <ol style="list-style-type: none"> <li>1. Modes of car motor operation,</li> <li>2. Fuel feed pump</li> <li>3. Electrical spark transfer device.</li> <li>4. 4. Pistons in cylinder as motion transfer device to the front, back wheels.</li> </ol>
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