

Time	Goals – Contents – Schedule – Notes	Media
	<p>▶ <b>Classification of milling processes</b></p> <p>Manufacturing / cutting processes</p> <p>Material removal processes / milling processes</p> <div data-bbox="603 371 991 878" data-label="Diagram"> </div> <p>▶ <b>Milling machine design</b></p> <p>Machine frame</p> <p>Knee</p> <p>Main drive</p> <p>Feed device</p> <p>Vertical milling head</p> <div data-bbox="549 1319 1043 1930" data-label="Diagram"> </div>	<p>Slides 2, 3</p> <p>Slides 4 - 7</p>
	<b>Instructor manual</b>	Metal working
	<b>Milling</b>	

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6 h	<p>▶ <b>Excercise 3: Fork piece</b></p> <p><b>Task / Assignment</b></p> <p>The trainees must manufacture the fork piece according to the given engineering data.</p> <div data-bbox="509 488 900 994" style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="font-size: small;">Exercise 3 Task Assignment</p> <p style="font-size: x-small;">cutlar in- rod move le opering regarding of efficien</p> <p style="font-size: x-small;">22</p> <p style="font-size: x-small;">21</p> <p style="font-size: x-small;">General telephon: acc. to ISO 2768 m XXX = ID number</p> <table border="1" style="font-size: x-small; width: 100%;"> <tr> <td>Mechanical Material Processing</td> <td>Steel working</td> </tr> <tr> <td>Milling</td> <td>Introduction</td> </tr> <tr> <td>Scale 1:1</td> <td>Drill Stand, Fork Piece</td> </tr> <tr> <td></td> <td>Exercise 3</td> </tr> </table> </div> <p>▶ <b>Trainee sets up the milling machine</b></p> <ul style="list-style-type: none"> <li>Clamping the workpieces / tools</li> <li>Setting the machining parameters</li> <li>Review with instructor</li> </ul> <p>▶ <b>Completion of Exercise 3</b></p>	Mechanical Material Processing	Steel working	Milling	Introduction	Scale 1:1	Drill Stand, Fork Piece		Exercise 3	Engineering data
Mechanical Material Processing	Steel working									
Milling	Introduction									
Scale 1:1	Drill Stand, Fork Piece									
	Exercise 3									
30 min.	<p><b>Evaluation of Exercise 3 with each trainee</b></p>	Evaluation sheet								
	<b>Instructor manual</b>	Metal working								
	<b>Milling</b>									

Time	Goals – Contents – Schedule – Notes	Media
90 min.	<p>▶ <b>Reports</b></p> <p>Suggested topics:</p> <ul style="list-style-type: none"> <li>• Setup and configuration of manual clamping devices in order to directly clamp workpieces on the milling machine table</li> <li>• Tool holding fixtures for milling: applications and selection criteria</li> <li>• Working with the dividing head</li> </ul> <p>▶ <b>Evaluation of reports, review with trainees</b></p> <p><b>Objectives Exercise 13</b></p> <ul style="list-style-type: none"> <li>▶ Clamping and aligning the workpieces</li> <li>▶ Planning the work steps</li> <li>▶ Discussion on Exercise 13</li> <li>▶ Exercise 13: Assembly of drill stand</li> <li>▶ Checking and evaluation of results</li> <li>▶ Application and reinforcement of process techniques</li> </ul> <p>▶ <b>Exercise 13: Assembly of drill stand</b></p> <p><b>Task / Assignment</b></p> <p>The trainees must assemble the drill stand using the data provided.</p>	Flip chart
	<b>Instructor manual</b>	Metal working
	<b>Milling</b>	