

## Course Description – Winter 2024/25

<b>Title</b>	Production Technology
<b>Faculty</b>	Mechanical Engineering
<b>Professor</b>	Prof. Dr. Carsten Löser
<b>ECTS</b>	5
<b>Level</b>	Bachelor
<b>Requirements</b>	-
<b>Add. Information</b>	<a href="https://www.hs-schmalkalden.de/hochschule/fakultaeten/fakultaet-maschinenbau/internationales/englische-kurse.html">https://www.hs-schmalkalden.de/hochschule/fakultaeten/fakultaet-maschinenbau/internationales/englische-kurse.html</a>
<b>Content</b>	<p>On completion of this course, the students should have some background knowledge and a familiarization with the tasks of work preparation and the planning of manufacturing processes. They should understand the necessary principles for the planning and detailing of processes for the parts manufacturing and assembly.</p> <p>For a better understanding, this is consolidated with practical examples. Methods and techniques for the planning of parts production and assembly, production processes, assembly processes, work preparation, planning in parts manufacturing processes/assembly, production-oriented construction, selection of raw parts, selection of suitable production processes and their order, comparison of variants, rough and detailed planning of parts production and assembly processes, selection of machines and tools, determination of technological parameters and times, inspection planning, ergonomics, work safety</p>