

Production Management					
Identification number	Workload	Credits	Semester	When	Duration
N/A	150 hrs	5	1 <sup>st</sup> semester	Each semester	1 semester
<b>1</b>	<b>Lectures</b> Produktionsmanagement (engl.)	<b>Class contact time</b> 4 contact hrs / 60hrs	<b>Self-study</b> 90 hrs	<b>Planned group size</b> 60 students	
<b>2</b>	<b>Learning Outcomes / Skills</b> <i>Professional Competences:</i> <i>Upon completion of the module, students will be able to:</i> <ul style="list-style-type: none"> <li>• Apply and explain the basic methods for designing, organising and controlling production systems and derive operational options for action from the sometimes conflicting objectives in production operations</li> <li>• Explain the concepts and methods of product development, production organisation, planning and control</li> <li>• Locate the principles of “lean production” and “sustainable production” in the context of customer-orientated value creation systems and assess their contribution to results</li> </ul> <i>Interdisciplinary competences:</i> <ul style="list-style-type: none"> <li>• Discuss problems in the production environment in dialogue with others and develop solutions together (communicative competence)</li> <li>• Independently plan and prepare learning and work processes</li> <li>• Research literature for a given specialised topic</li> </ul>				
<b>3</b>	<b>Contents</b> <ul style="list-style-type: none"> <li>• Value and added value as a design goal</li> <li>• Product lifecycle management</li> <li>• Organising production</li> <li>• Planning and control in production</li> <li>• Principles and methods of lean production</li> <li>• IT systems in production / Industry 4.0</li> </ul>				
<b>4</b>	<b>Course type</b> Seminar lectures				
<b>5</b>	<b>Participation requirements</b> Sufficient knowledge of English				
<b>6</b>	<b>Examination form</b> Multiple choice test (60 minutes, electronically supported, at the university) OR open-book exam (120 minutes)				
<b>7</b>	<b>Requirements for the Awarding of Credit Points</b> Minimum grade of “sufficient” in the examination				
<b>8</b>	<b>Application of the Module</b> (in other programmes of study) BA Business Administration BA International Business and Management				
<b>9</b>	<b>Weight of the grade in the final overall grade</b> 5/270				
<b>10</b>	<b>Module supervisor;</b> full-time lecturers <b>Prof. Dr. Merchiers</b>				
<b>11</b>	<b>Other information</b> Reading list (as currently applicable): Eversheim, W./ Schuh, G.: Betriebshütte – Produktion und Management Kummer, S./ Grün, O./ Jammernegg, W.: Grundzüge der Beschaffung, Produktion und Logistik Nyhuis, P./Wiendahl, H.: Logistische Kennlinien – Grundlagen, Werkzeuge und Anwendungen Schmitt, R.: Qualitätsmanagement: Strategien – Methoden – Techniken Schuh, G./ Stich, V.: Logistikmanagement: Handbuch Produktion und Management Womack, J. / Jones, D.: The Machine That Changed the World				

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