

Production Management (engl.)						
Identification number N/A		Workload 150 hrs	Credits 5	Semester 1 st semester	When At least once a year	Duration 1 semester
1	Lectures Produktionsmanagement (engl.)		Class contact time 4 contact hrs / 60hrs	Self-study 90 hrs	Planned group size 60 students	
2	Learning Outcomes / Skills <i>Upon completion of the module, students will be able to:</i> <i>Subject-Specific Competences:</i> <ul style="list-style-type: none">• 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• Explain the concepts and methods of product development, production organisation, planning and control• Locate the principles of “lean production” and “sustainable production” in the context of customer-orientated value creation systems and assess their contribution to results <i>Interdisciplinary competences:</i> <ul style="list-style-type: none">• Discuss problems in the production environment in dialogue with others and develop solutions together (communicative competence)• Independently plan and prepare learning and work processes• Research literature for a given specialised topic					
3	Contents <ul style="list-style-type: none">• Value and added value as a design goal• Product lifecycle management• Organising production• Planning and control in production• Principles and methods of lean production• IT systems in production / Industry 4.0					
4	Course type Seminar lectures					
5	Participation requirements Sufficient knowledge of English					
6	Examination form Multiple choice test (60 minutes, electronically supported, at the university) OR open-book exam (120 minutes)					
7	Requirements for the Awarding of Credit Points Minimum grade of “sufficient” in the examination					
8	Module supervisor; full-time lecturers Prof. Dr. Andreas Merchiers					
9	Other information Reading list (as currently applicable): Eversheim, W./ Schuh, G.: Betriebshütte – Produktion und Management Kummer, S./ Grün, O./ Jammerneegg, 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					

ATTENTION: This is an adapted and abridged version and a translation of the original. Only the module manual in its German form (available at <https://www.hochschule-bochum.de/international-business-and-management>) is legally binding.