## **Course Descriptions Bachelor 2017-2018**

Course Title Course Code	Operations N	nanagement						
	EBC2064							
ECTS Credits	6,5 Whole/Half (	Credee						
Assessment Period				••	-		-	<b>-</b> ·
Felloa	Period	Start	End	Mon	Tue	Wed	Thu	Fri
	1	4-9-2017	27-10-2017	X		Х		
Level	Intermediate	1						
Coordinator	Aida Abiad Monge For more information:a.abiadmonge@maastrichtuniversity.nl							
Language of instruction	English							
Goals	Ability to understand and judge the role and functioning of quantitative models for decision making in the management of operations. Ability to use such models and derive managerial decisions. Ability to simulate real life situations and solve cases in the area of research. Ability to apply theoretical knowledge to practica (simulated) operational situations.							
Description	The course focusses on the application of techniques in the area of Operations Management. Topics which are covered include Process Analysis, Project Management, Quality Control, Capacity Plannin Supply Chain Management, Inventory Management, Scheduling & Aggregate Planning, Lean Production/JIT and Waiting Line Theory. Addressing these topics, several quantitative techniques that have shown to be successful in these areas will be applied on examples and exercises. Furthermore, said techniques are applied to an accurate interactive simulation, which takes the form of a computer game which is played throughout the course by students. This game replaces mandatory literature and will be available for purchase by the students at the start of the course. The course combines cases, exercises and discussions, facilitated by students themselves. Facilitations cover both the learning materials resulting from the aforementioned game, and the mandatory hand-in assignments.							
Literature	Recommend	led reading : "				Developme	nt", preparec	l by Grigoriev an
Prerequisites	<ul> <li>Foubert (Maastricht University). McGraw-Hill Custom Publishing.</li> <li>Advanced knowledge of the role and scope of Operations Management within Business.</li> <li>Advanced mathematical skills; ability to understand quantitative models and concepts, and apply these.</li> <li>Moderate level of understanding of simulation.</li> <li>Moderate level of knowledge concerning Linear Programming.</li> <li>An advanced level of English.</li> <li>An advanced level of expertise in PBL(Project Based Learning).</li> <li>From the above, it can be assumed that students taking this course have at the very minimum obtained the necessary knowledge in order to pass the course Management of Operations and Product Development</li> </ul>							
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